



FAX TRANSMITTAL SHEET

Motorola, Inc.
Intellectual Property Section
Law Department
1303 E. Algonquin Rd.
Schaumburg, IL 60196

RECEIVED
CENTRAL FAX CENTER
OCT 25 2004

Telephone: (847) 576-3635
Facsimile: (847) 576-3750

35 Number of Pages (including this page)

Date: October 25, 2004

To: Examiner Torres, J. – Group 2631

Location: United States Patent and Trademark Office

Fax No.: 703-872-9306

From: Steven A. May (Registration No. 44,912)

Subject: Serial No. 09/871,833 –Agami et al.

NOTICE: This facsimile transmission may contain information that is confidential, privileged, or exempt from disclosure under applicable law. It is intended only for the person to whom it is addressed. Unauthorized use, disclosure, copying or distribution may expose you to legal liability. If you have received this transmission in error, please immediately notify us by telephone (collect) to arrange for return of the documents received and any copies made. Thank you.

MESSAGE:

Enclosed herewith, please find a RESPONSE Office Action and REFORMATTED SPECIFICATION for filing in the below-identified application.

PLEASE GIVE THESE PAPERS TO:

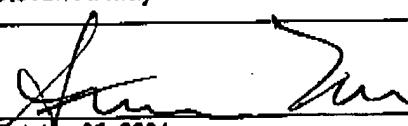
EXAMINER:	Torres, J.
GROUP ART UNIT:	2631
SERIAL NO.:	09/871,833
FILED:	June 1, 2001
INVENTOR:	Agami et al.
ATTORNEY DOCKET NO.:	CE08653R

PTO/SB/21 (08-00)

TRANSMITTAL FORM <small>(to be used for all correspondence after initial filing)</small>		Application Number	09/871,833
		Filing Date	June 1, 2001
		First Named Inventor	Agami et al.
		Group Art Unit	2631
		Examiner Name	Torres, J.
Total Number of Pages in this Submission	4	Attorney Docket Number	CE08653R

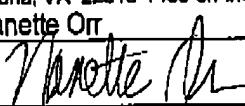
ENCLOSURES			
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/Declaration(s) <input type="checkbox"/> Extension of time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Documents <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts Under 37 CFR 1.52 or 1.53		<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-Related papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation, Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CDs	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter with appropriate copies <input type="checkbox"/> Other Enclosure(s) (please identify below) <input type="checkbox"/> Response to Restriction Requirement <input type="checkbox"/> Associate Power of Attorney <input type="checkbox"/> RCE <input type="checkbox"/> Copy of Notice to File Missing Parts <input type="checkbox"/> Transmittal of Formal Drawings <input type="checkbox"/> Response to Notice of Non- Recordation of Document <hr/> <small>_____ _____ _____</small>
Remarks			

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual	Steven A. May	Registration No.	44,912
Signature			
Date	October 25, 2004		

CERTIFICATE OF TRANSMISSION

I hereby certify that this correspondence is being facsimile transmitted to the USPTO to facsimile number 703-8742-9306 or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 on the date listed below:

Typed or printed name	Nanette Orr	Date	October 25, 2004
Signature			

<p style="text-align: center;">FEE TRANSMITTAL</p> <p>Patent fees are subject to annual revision</p>				<i>Complete if Known</i>																																																																																																																																																									
				Application Number		09/871,833																																																																																																																																																							
				Filing Date		June 1, 2001																																																																																																																																																							
				First Named Inventor		Agami et al.																																																																																																																																																							
				Examiner Name		Tomes, J.																																																																																																																																																							
				Group Art Unit		2631																																																																																																																																																							
TOTAL AMOUNT OF PAYMENT (\$)		Attorney Docket No. CEO8653R																																																																																																																																																											
<p>METHOD OF PAYMENT</p> <p>1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayment to: Deposit Account Number 50-2117 Deposit Account Name Motorola, Inc.</p> <p><input checked="" type="checkbox"/> Charge Any Additional Fee required under 37 CFR 1.16 and 1.17 <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27</p> <p>2. <input type="checkbox"/> Payment Enclosed: <input type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> Other</p>				<p>FEE CALCULATION (continued)</p> <p>3. ADDITIONAL FEES</p> <table border="1"> <thead> <tr> <th>Large Entity</th> <th>Small Entity</th> <th>Fee</th> <th>Fee</th> <th>Fee Description</th> </tr> </thead> <tbody> <tr><td>Code</td><td>Code</td><td>(\\$)</td><td>(\\$)</td><td></td></tr> <tr><td>1051</td><td>130</td><td>2051</td><td>65</td><td>Surcharge - late filing fee or cash</td></tr> <tr><td>1052</td><td>50</td><td>2052</td><td>25</td><td>Surcharge - late Provisional filing</td></tr> <tr><td>1053</td><td>130</td><td>1053</td><td>130</td><td>Non-English specification</td></tr> <tr><td>1812</td><td>2520</td><td>1812</td><td>2520</td><td>For filing a request for ex parte Reexamination</td></tr> <tr><td>1804</td><td>920*</td><td>1804</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td></tr> <tr><td>1805</td><td>1840*</td><td>1806</td><td>1840*</td><td>Requesting publication of SIR after Examiner action</td></tr> <tr><td>1251</td><td>110</td><td>2251</td><td>65</td><td>Extension for reply within first month</td></tr> <tr><td>1252</td><td>410</td><td>2252</td><td>205</td><td>Extension for reply within second month</td></tr> <tr><td>1253</td><td>930</td><td>2253</td><td>465</td><td>Extension for reply within third month</td></tr> <tr><td>1254</td><td>1460</td><td>2254</td><td>725</td><td>Extension for reply within fourth month</td></tr> <tr><td>1265</td><td>1970</td><td>2255</td><td>985</td><td>Extension for reply within fifth month</td></tr> <tr><td>1401</td><td>320</td><td>2401</td><td>160</td><td>Notice of Appeal</td></tr> <tr><td>1402</td><td>320</td><td>2402</td><td>160</td><td>Filing a brief in support of an appeal</td></tr> <tr><td>1403</td><td>280</td><td>2403</td><td>140</td><td>Request for oral hearing</td></tr> <tr><td>1451</td><td>1510</td><td>1451</td><td>1510</td><td>Petition to Institute a public use proceeding</td></tr> <tr><td>1452</td><td>110</td><td>2452</td><td>55</td><td>Petition to revive - unavoidable</td></tr> <tr><td>1463</td><td>1300</td><td>2453</td><td>650</td><td>Petition to revive - unintentional</td></tr> <tr><td>1501</td><td>1300</td><td>2501</td><td>650</td><td>Utility issue fee (or reissue)</td></tr> <tr><td>1502</td><td>470</td><td>2502</td><td>235</td><td>Design issue fee</td></tr> <tr><td>1503</td><td>630</td><td>2503</td><td>315</td><td>Plant issue fee</td></tr> <tr><td>1460</td><td>130</td><td>1480</td><td>130</td><td>Petitions to the Commissioner</td></tr> <tr><td>1807</td><td>50</td><td>1807</td><td>50</td><td>Processing fee under 37 CFR 1.17(d)</td></tr> <tr><td>1808</td><td>180</td><td>1808</td><td>180</td><td>Submission of IDS</td></tr> <tr><td>8021</td><td>40</td><td>8021</td><td>40</td><td>Recording each patent assignment per property (times number of property)</td></tr> <tr><td>1809</td><td>750</td><td>2809</td><td>375</td><td>Filing a submission after final rejection (37 CFR § 1.129(e))</td></tr> <tr><td>1810</td><td>750</td><td>2810</td><td>375</td><td>For each additional invention to be examined (37 CFR § 1.129(b))</td></tr> <tr><td>1801</td><td>760</td><td>2801</td><td>375</td><td>Request for Continued Examination</td></tr> <tr><td>1802</td><td>900</td><td>1802</td><td>900</td><td>Request for expedited examination</td></tr> </tbody> </table> <p>* Reduced by Basic Filing Fee paid SUBTOTAL (3) (\$)</p>				Large Entity	Small Entity	Fee	Fee	Fee Description	Code	Code	(\\$)	(\\$)		1051	130	2051	65	Surcharge - late filing fee or cash	1052	50	2052	25	Surcharge - late Provisional filing	1053	130	1053	130	Non-English specification	1812	2520	1812	2520	For filing a request for ex parte Reexamination	1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	1805	1840*	1806	1840*	Requesting publication of SIR after Examiner action	1251	110	2251	65	Extension for reply within first month	1252	410	2252	205	Extension for reply within second month	1253	930	2253	465	Extension for reply within third month	1254	1460	2254	725	Extension for reply within fourth month	1265	1970	2255	985	Extension for reply within fifth month	1401	320	2401	160	Notice of Appeal	1402	320	2402	160	Filing a brief in support of an appeal	1403	280	2403	140	Request for oral hearing	1451	1510	1451	1510	Petition to Institute a public use proceeding	1452	110	2452	55	Petition to revive - unavoidable	1463	1300	2453	650	Petition to revive - unintentional	1501	1300	2501	650	Utility issue fee (or reissue)	1502	470	2502	235	Design issue fee	1503	630	2503	315	Plant issue fee	1460	130	1480	130	Petitions to the Commissioner	1807	50	1807	50	Processing fee under 37 CFR 1.17(d)	1808	180	1808	180	Submission of IDS	8021	40	8021	40	Recording each patent assignment per property (times number of property)	1809	750	2809	375	Filing a submission after final rejection (37 CFR § 1.129(e))	1810	750	2810	375	For each additional invention to be examined (37 CFR § 1.129(b))	1801	760	2801	375	Request for Continued Examination	1802	900	1802	900	Request for expedited examination
Large Entity	Small Entity	Fee	Fee	Fee Description																																																																																																																																																									
Code	Code	(\\$)	(\\$)																																																																																																																																																										
1051	130	2051	65	Surcharge - late filing fee or cash																																																																																																																																																									
1052	50	2052	25	Surcharge - late Provisional filing																																																																																																																																																									
1053	130	1053	130	Non-English specification																																																																																																																																																									
1812	2520	1812	2520	For filing a request for ex parte Reexamination																																																																																																																																																									
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action																																																																																																																																																									
1805	1840*	1806	1840*	Requesting publication of SIR after Examiner action																																																																																																																																																									
1251	110	2251	65	Extension for reply within first month																																																																																																																																																									
1252	410	2252	205	Extension for reply within second month																																																																																																																																																									
1253	930	2253	465	Extension for reply within third month																																																																																																																																																									
1254	1460	2254	725	Extension for reply within fourth month																																																																																																																																																									
1265	1970	2255	985	Extension for reply within fifth month																																																																																																																																																									
1401	320	2401	160	Notice of Appeal																																																																																																																																																									
1402	320	2402	160	Filing a brief in support of an appeal																																																																																																																																																									
1403	280	2403	140	Request for oral hearing																																																																																																																																																									
1451	1510	1451	1510	Petition to Institute a public use proceeding																																																																																																																																																									
1452	110	2452	55	Petition to revive - unavoidable																																																																																																																																																									
1463	1300	2453	650	Petition to revive - unintentional																																																																																																																																																									
1501	1300	2501	650	Utility issue fee (or reissue)																																																																																																																																																									
1502	470	2502	235	Design issue fee																																																																																																																																																									
1503	630	2503	315	Plant issue fee																																																																																																																																																									
1460	130	1480	130	Petitions to the Commissioner																																																																																																																																																									
1807	50	1807	50	Processing fee under 37 CFR 1.17(d)																																																																																																																																																									
1808	180	1808	180	Submission of IDS																																																																																																																																																									
8021	40	8021	40	Recording each patent assignment per property (times number of property)																																																																																																																																																									
1809	750	2809	375	Filing a submission after final rejection (37 CFR § 1.129(e))																																																																																																																																																									
1810	750	2810	375	For each additional invention to be examined (37 CFR § 1.129(b))																																																																																																																																																									
1801	760	2801	375	Request for Continued Examination																																																																																																																																																									
1802	900	1802	900	Request for expedited examination																																																																																																																																																									
<p>FEE CALCULATION</p> <p>1. BASIC FILING FEE</p> <table border="1"> <thead> <tr> <th>Large Entity Fee Code (\$)</th> <th>Entity Fee Code (\$)</th> <th>Small Entity Fee Code (\$)</th> <th>Entity Fee (\$)</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>1001</td><td>760</td><td>2001</td><td>375</td><td>Utility filing fee</td></tr> <tr><td>1002</td><td>330</td><td>2002</td><td>185</td><td>Design filing fee</td></tr> <tr><td>1003</td><td>520</td><td>2003</td><td>280</td><td>Plant filing fee</td></tr> <tr><td>1004</td><td>750</td><td>2004</td><td>375</td><td>Reissue filing fee</td></tr> <tr><td>1005</td><td>160</td><td>2005</td><td>80</td><td>Provisional filing fee</td></tr> </tbody> </table> <p>SUBTOTAL (1) (\$ 0.00)</p> <p>2. EXTRA CLAIM FEES</p> <table border="1"> <thead> <tr> <th>Total Claims</th> <th>Previously Paid**</th> <th>Extra Claims</th> <th>Fee from below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>Total Claims</td><td></td><td>- 20</td><td>=</td><td></td></tr> <tr><td>Independent Claims</td><td></td><td>- 9</td><td>=</td><td></td></tr> </tbody> </table> <p>Multiple Dependent</p> <table border="1"> <thead> <tr> <th>Large Entity Fee Code (\$)</th> <th>Entity Fee Code (\$)</th> <th>Small Entity Fee Code (\$)</th> <th>Entity Fee (\$)</th> <th>Fee Description</th> </tr> </thead> <tbody> <tr><td>1202</td><td>18</td><td>2202</td><td>9</td><td>Claims in excess of 20</td></tr> <tr><td>1201</td><td>64</td><td>2201</td><td>42</td><td>Independent claims in excess of 3</td></tr> <tr><td>1203</td><td>280</td><td>2203</td><td>140</td><td>Multiple dependent claim, if not paid</td></tr> <tr><td>1204</td><td>84</td><td>2204</td><td>42</td><td>* Reissue independent claims over original patent</td></tr> <tr><td>1205</td><td>18</td><td>2205</td><td>9</td><td>* Reissue claims in excess of 20 and over original patent</td></tr> </tbody> </table> <p>SUBTOTAL (2) (\$ 0.00)</p> <p>** OR NUMBER PREVIOUSLY PAID, IF GREATER THAN STANDARD ALLOWANCE.</p> <p>*For Reissue, see above</p>				Large Entity Fee Code (\$)	Entity Fee Code (\$)	Small Entity Fee Code (\$)	Entity Fee (\$)	Fee Paid	1001	760	2001	375	Utility filing fee	1002	330	2002	185	Design filing fee	1003	520	2003	280	Plant filing fee	1004	750	2004	375	Reissue filing fee	1005	160	2005	80	Provisional filing fee	Total Claims	Previously Paid**	Extra Claims	Fee from below	Fee Paid	Total Claims		- 20	=		Independent Claims		- 9	=		Large Entity Fee Code (\$)	Entity Fee Code (\$)	Small Entity Fee Code (\$)	Entity Fee (\$)	Fee Description	1202	18	2202	9	Claims in excess of 20	1201	64	2201	42	Independent claims in excess of 3	1203	280	2203	140	Multiple dependent claim, if not paid	1204	84	2204	42	* Reissue independent claims over original patent	1205	18	2205	9	* Reissue claims in excess of 20 and over original patent	<p>SUBMITTED BY</p> <table border="1"> <tr> <td>Name (Print/Type)</td> <td>Steven A. May</td> <td>Registration No.</td> <td>44,912</td> <td>Telephone</td> <td>(847) 576-3635</td> </tr> <tr> <td>Signature</td> <td colspan="2"><i>Steven A. May</i></td> <td>Date</td> <td colspan="2">October 25, 2004</td> </tr> </table>				Name (Print/Type)	Steven A. May	Registration No.	44,912	Telephone	(847) 576-3635	Signature	<i>Steven A. May</i>		Date	October 25, 2004																																																																
Large Entity Fee Code (\$)	Entity Fee Code (\$)	Small Entity Fee Code (\$)	Entity Fee (\$)	Fee Paid																																																																																																																																																									
1001	760	2001	375	Utility filing fee																																																																																																																																																									
1002	330	2002	185	Design filing fee																																																																																																																																																									
1003	520	2003	280	Plant filing fee																																																																																																																																																									
1004	750	2004	375	Reissue filing fee																																																																																																																																																									
1005	160	2005	80	Provisional filing fee																																																																																																																																																									
Total Claims	Previously Paid**	Extra Claims	Fee from below	Fee Paid																																																																																																																																																									
Total Claims		- 20	=																																																																																																																																																										
Independent Claims		- 9	=																																																																																																																																																										
Large Entity Fee Code (\$)	Entity Fee Code (\$)	Small Entity Fee Code (\$)	Entity Fee (\$)	Fee Description																																																																																																																																																									
1202	18	2202	9	Claims in excess of 20																																																																																																																																																									
1201	64	2201	42	Independent claims in excess of 3																																																																																																																																																									
1203	280	2203	140	Multiple dependent claim, if not paid																																																																																																																																																									
1204	84	2204	42	* Reissue independent claims over original patent																																																																																																																																																									
1205	18	2205	9	* Reissue claims in excess of 20 and over original patent																																																																																																																																																									
Name (Print/Type)	Steven A. May	Registration No.	44,912	Telephone	(847) 576-3635																																																																																																																																																								
Signature	<i>Steven A. May</i>		Date	October 25, 2004																																																																																																																																																									

RECEIVED
CENTRAL FAX CENTER
OCT 25 2004

- PATENT -

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Agami et al.

EXAMINER: Torres, J.

SERIAL NO.: 09/871,833

ART UNIT: 2631

FILED: 06/01/01

CASE NO.: CE08653R

ENTITLED: METHOD AND APPARATUS FOR ADAPTIVE SIGNALING IN A
QAM COMMUNICATION SYSTEM

Motorola, Inc.
Corporate Offices
1303 E. Algonquin Road
Schaumburg, IL 60196
October 25, 2004

AMENDMENT AND RESPONSE

Certificate of Transmission under 37 CFR 1.8	
I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office.	
on	October 25, 2004
Motorola, Inc.	Date
Name of applicant, assignee, or Registered Representative	
<i>[Signature]</i>	
Signature	

Mail Stop Amendment
Commissioner of Patents
P.O. Box 1450
Alexandria, Va. 22313-1450

Commissioner:

In response to an Office Action dated October 18, 2004, the applicants hereby
respectfully submit the following amendment and response.